

A

Sheet A2

1. Eliminate roof scuttle in Room 2. (Opening 11/A5).
2. Section B/A2 and A/A2 reference from Sheet A2 not clear.
3. Leave clearance for removal of refrigerator in plan of kitchen. Dimension counter top.
4. Eliminate interior hollow metal door number 7 and vault door number 6. Use field fabricated steel exit door and locking device shown on attached sketch.
5. Show means of access to second floor area.

Sheet A3

1. Show horizontal beam on West elevation and sections as per section 1/A2, page A4.
2. Eliminate roof hatch.
3. Vault door and stack both have 1/A5 detail numbers.
4. Not clear where sections come from. Some reference should be made to Sheet A2.
5. Stack detail 1/A5 cancelled on Sheet A5. Should reference detail as Sheet B3.
6. Section 7/A4 does not appear on Sheet A4.
7. Indicate finish floor elevations.

Sheet A4

1. Plan at roof-wall-column junction not referenced to Sheet A2.
2. Show new exit door on section 5/A2 as per comments on Sheet A2.
3. Indicate insect screen on open block air intake section 5/A2.
4. Provide some means of termite stop between slab and wall insulation and furring and indicate soil poisoning.
5. Rectify all sections to finish schedule as page A3. That is; show plaster, wainscot, hardwood rail, and acoustic tile on walls and ceiling. Note: Comment on 65% review to delete acoustic tile as ceiling on section 3 was in error.

Sheet A5

1. Show deletion of Stack Detail.
2. Eliminate hollow metal door and exterior vault door and substitute steel exit door.
3. Dimension gutter details in 12/A4.
4. Delete hatch detail 11/A2 and Ladder Detail.
5. Dimension aluminum fascia upturn to form suitable gravel stop details 10/A4 and 13/A5.

Sheet A6

1. Eliminate roof hatch and ladder on plan, sections and details on other pages.
2. Assure that all louvers are screened against insects, including exhaust louvers.
3. Substitute conduit for wiring trench.
4. In lieu of louvers and intake dampers, utilize pierced block (screened) on east and west walls between spandrel beam and roof slab thus creating natural cross ventilation well protected from rain.

Sheet A7

1. Identify tower footing detail on S4.
2. General notes are misleading. Government-furnished material at T-Site in addition to two Butler Buildings includes doors, partitions, ceiling and insulation but not tile, concrete, and plumbing fixtures.
3. Section A-A should indicate insulation on walls, ceiling, plus roof.
4. Section 1/A7 should have arrows relating to notes "1 $\frac{1}{2}$ runner channel - 36" O.C." and "Batt Insulation". Show batt insulation.

Sheet S1

1. Indicate detail 7 is found on page S2.
2. Section 3 should show existing stone wall removed additional depth of adjacent crushed stone so that slab sits on crushed stone throughout.

Sheet S3

1. Eliminate fuel tank vault and relocate tank at rear of power house. Bury remote fill line to street.
2. Not clear what supports inner pipe of incinerator stack beyond incinerator itself. Show means of support. Do not rest weight on incinerator top.

Sheet S4

1. Show floor slab at footing details in such a manner that exterior wall structure can precede floor pour.
2. Show tank pipe connection.
3. Ground fuel tank.

Sheet S5

1. Same as note 1 Sheet S4 above.
- ~~2. Isolate engine pad from floor slab.~~
3. Provide fire stats in all air conditioning ducts to shut down fans.
4. Fluorescent fixture specifications: To comply with MIL Specifications, MIL-1-16910A and MIL-1-26600. Interference free from 14 KC to 10,000 MC. Fixtures to be cold cathode type.
5. Provide for installation of buried coax transmission lines from all antennae to Transmitter Building.

Sheet M1

1. Correct "symbols" to show "RS" and "RL" denoting suction and liquid lines respectively.
2. Delete pierced block on Fan Coil Unit detail.

Sheet M2

1. Day tank drain valve should be noted "at bottom of tank".
2. Delete motor operated louvers.
3. Exhaust support detail. Support not adequate.

4. Section "A-A". Show flexible couplings in exhaust.
5. Fuel oil piping to engines from day tank should not run under engines.
6. Eliminate fuel tank vault. Relocate fuel tank to rear of power house with remote fill line to street.

Sheet M3

1. Show water distribution to toilet and include service to power house.
2. Use bottle type water cooler.
3. Show fuel tank detail as Sheet S4.
4. Show air intakes on power house.

Sheet E1

1. Install convenience outlet receptacles in Incinerator Room, toilets, and kitchen area.
2. Check location toilet and Utility Room exhaust fan (kitchen).
3. Motor disconnects not sized for fan coil units.
4. Motor disconnects and starter not sized for incinerator.
5. Riser diagram not complete, show all feeder and conduit sizes.
6. Circuit MU 2-4-6 stubbed up in tape relay room. Show wire and conduit sizes.
7. Install exit lighting.

Sheet E2

1. Grounding - Is #6 copper wire solid or braided? Show details on connections of ground wires to fence, ground rods, buildings ground bus, fuel tank and equipment. Specify type of lugs and connectors.
2. Panel MDP should denote frame size of breakers. All wire types not indicated.
3. All panels should be indicated 3 phase, 4 wire, SN 120/208 volts A/C.
4. Utility and technical loads should be served from separate distribution panels.
5. Note in panel MDP feeder from panel MT only capable of 130 amperes while panel MT has 225 ampere mains.
6. Feeders for panels UA, TC, and TCA not indicated on drawings.
7. Power Building - No ground connections shown on engines.
8. Fourth wire required as safety ground to equipment. Panel should have a ground lug separate from neutral.
9. Specify number of spaces to be left in panel and extend bus full length.
10. No connection shown between auto-transfer switch and main disconnect. On Drawing E-1 size is not indicated.
11. Size of fuel oil pump disconnect not indicated.

12. Panel Ma, MT, TA, and TB should have panel schedules.
13. Home runs not indicated to panel designator. Power Plant should have 60A panel.
14. No control wiring indicated from transfer switch to generator.
15. Provide outlet for battery charger in Power Building.
16. Provide lighting fixture over outside door.
17. If metering is required at power service entrance, provide facilities.

Sheet E3

1. Panel Schedule - Panels not properly designated. Building is wired 120/208 volts, 3 phase, 4 wire while transmitters are 230 volts, 3 phase, 3 wire. Asymmetrical ampere rating of circuit breakers to be specified.
2. Note number of poles in panels and spare breakers required.
3. Show wire and feeder designation on panel schedule.
4. Note breaker frame sizes.
5. Note starter-disconnect size for fuel oil transfer pumps.
6. Electrical Riser diagram should indicate wire and conduit sizes.
7. Relocate main transformers so that bus duct run will be shortened and feed directly into main disconnect.
8. Disconnect and transfer switches are integral parts of switch cubicle. Cubicle also contains dry transformers to provide 120/208 volt, 3 phase, 4 wire power in addition to 230 volt, 3 phase, 3 wire power as required plus automatic engine start in case of power failure. See attached schematic of switchgear.
9. Feeders from Power Building to Transmitter Building not sized.
10. Feeder from main disconnect to transformer switch not sized.
11. No conduit or wire indicated to feeder panels from main distribution panel.
12. No exit light indicated.
13. No details on transformer substation.

14. No outside light at Mechanical Room.

15. Install convenience outlets in Mechanical Room, toilet.

Sheet U1

1. Show sizes of fuel lines.

General

1. Provide air relief in the air conditioned areas.
2. Provide ventilation in storage area by means of louvers in outside wall and door.
3. Incinerator: Check stack location. Drawing No. A-2 and A-3 does not check with S-3 if a straight stack from incinerator is to be used. Provide walking room around incinerator.
4. Condensate Drain: Run condensate drains into storm or sanitary sewer.
5. Fuel Tank and Lines: Fuel oil tank to be mounted on concrete saddles. Size fuel oil piping. Provide insulation between tank and saddle.
6. When completing the A/C drawings include refrigerant piping detail, pipe sizes, vertical view on the air handler and duct connections.
7. The A/C system shall be designed to maintain 82 to 85 degree temperature in Transmitter Room and not the usual room comfort.
8. Provide for the use of 100% outside air.
9. Provide duct heater in small air distribution duct if one zone air handling unit is used.
10. In the event of air handling unit break-down, provide wall mounted ventilators or fans at each end of Transmitter Room. The ventilators or fans shall be of the blow-in type. Manual operated relief air dampers (2) to be installed in the North Wall.
11. The wall shall be at least 50 feet away from sewage system. Provide septic tank.
12. Vault shall be ventilated by 2 inch diameter pipes through wall to adjacent areas. Pipes shall be bent in wall to preclude direct line of sight.

The following comments pertain to the specifications:

Items repeated from 60% check

DIVISION 2

Section 2E

Subparagraph 2

...in conjunction with compacting,
"puddling not allowed."

...that will permit proper
compaction. "Give table of
compaction requirements."

Subparagraph 3

Utilize soil poisoning under
slab.

Section 2F

Paragraph 1c

"Give gradations including
binder material if required."

DIVISION 3

Section 3A

Paragraph 2b
Subparagraph 2

No concrete "shall be" installed ...
Provide for a test batching and com-
pressive testing prior to use in
construction revision if required.

Paragraph 3a

New concrete "shall be" placed ...
No concrete "is" to be ...
...without use of tremie.

Section 3B

Interior floor slabs shall be
screeded.

Section 3H

Paragraph 1b

Liquid floor hardener shall be
Lapidolith as manufactured by L.
Sonneborn Sons, Inc., New York,
New York, "or equal as approved
by" (see general note)

Paragraph 2a

Delete "Lapidolith"

DIVISION 4

Section 4c

Paragraph 1a

8-8 for 8" walls, OR EQUAL,
SATISFACTORY TO THE

DIVISION 5

Section 5A Paragraph 1i ... by Chelsea Fan and Blower Co., Inc., Plainfield, New Jersey, OR EQUAL.

Paragraph 1j Set threshold in mastic ...
WHAT SIZE SCREWS, WHAT LENGTH?

DIVISION 6

Section 6C Paragraph 1a ADD: ("See Section 7F, 1a")

DIVISION 7

Section 7E Paragraph 1 ...Cambridge, Massachusetts;
WHAT IS NAME OF MATERIAL by the Allied Chemical Corporation?

Section 7F Paragraph 1b ... Barrett, Celotex or U.S. Gypsum, OR EQUAL AS APPROVED.

DIVISION 8

Section 8A Paragraph 1b Interior Doors: Door shall be mortised for 3 - 3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ " S.D.I. template ... (ADD "3" BEFORE SIZE).

Exterior Doors: Door shall be mortised for 3 - 4 $\frac{1}{2}$ " x ? (ADD THE MISSING DIMENSION) template ...

Paragraph 1b Hinge jambs are mortised for 4 $\frac{1}{2}$ " or 3 $\frac{1}{2}$ " AS APPROPRIATE template hinges are lock jambs are prepared for GOVERNMENT SERIES 160-161 LOCK STRIKE.

Section 8B ADD: "GOVERNMENT FURNISHED" vault doors ... Model No. PS-32, DELETE "OR EQUAL".

ADD A SECTION COVERING WINDOW FRAMES.

New Items:

DIVISION 2

Section 2E	Paragraph 1g	"moisture content that will permit" WHAT?
Section 2H	Paragraph 1	"Materials" WHAT: Section not complete.
Section 10B	Paragraph 1	One air fed "Government-Furnished" incinerator.
	Paragraph 1b	... leg braces "rain cap and spark arrestor assembly" as shown ...

Government-Furnished Equipment

1. Transmitter Building, Pre-fab metal (Butler) 40' x 72' x 14'.
Included in this category are:

Metal Partitions
Doors
Windows
Acoustical Ceiling including supports.

2. Generator Building, Pre-fab metal (Butler) 24' x 36' x 10'.
Included in this category are:

Doors
Windows

Note: Intake and exhaust louvers to be by contractor.

3. Incinerator, Model 1 including stack, rain cap, and spark
arrestor. G

4. Generator, 100 KW, this unit consists of a housed 6V-71 Detroit diesel with Delco brushless precise power alternator, three transistor regulators, 1% voltage and frequency regulation, 24 volt starting system, radiator cooled, pusher type fan, mounted control cabinet with 1% instrumentation, auto-start, quick change facilities to provide 50/60 cycle operation at 120/208, 220/380, 230/415 wye and 240 volt delta. Fuel consumption at full load is approximately 7 gallon/hour4 each. The following items are supplied and shipped with the unit:

- (1) Muffler, high degree silencing, and inlet 5".
- (2) Two each 12 volt batteries, cables & electrolyte.
- (3) Battery charger with dual input.
- (4) Isolating mounts.
- (5) Engine driven fuel pump with 48" max. lift.
- (6) Flexible fuel connecting lines.
- (7) Flexible exhaust connection.

5. Switchgear, System No. 5 Euclid Equipment, Incorporated 1 each

6. Transfer switch for R-Site Power House.

7. Cable Tray Components as follows:

Cable Tray, Straight - 18"w x 12' lg Ladder type, Globe 3000-1800	5 each
Cable Tray, Straight-Ladder Type, 12"w x 12' lg, Globe 3000-1200	7 each
Straight Reducer, 18"w to 12"w Globe 1100-1812	3 each
Horizontal Tee, 18"w, Globe 0500- 1809	2 each
Horizontal Tee, 12"w, Globe 0500- 1209	2 each
Splice Plate, Straight, Globe 0010	60 each
Splice Plate, Half Curve, Globe 1401	30 each
Cable Tray, Straight, 18"w x 12' lg, Globe 0000-1800	2 each
Horizontal Cross, 12"w, Globe 0600- 1209	1 each
45° Outside Vertical Riser, 12"w, Globe 0340-1224	1 each
45° Inside Vertical Riser, 12"w, Globe 0240-1224	1 each
90° Horizontal Elbow, 12"w, Globe 0490- 1209	1 each
90° Outside Vertical Riser, 18"w, Globe 0390-1818	1 each
Cable Hanger Elbow, 18"w, Globe 0396- 1818	1 each
Wall Bracket, 12"w, Globe 1500-1200	5 each
Hold Down Clamp, Globe 1406	5 each
Lay-In Duct, 6" x 6" x 5' lg, Square D LD65	2 each
Lay-In Duct, 90° Elbow, 6" x 6", Square D LD690L	1 each

Cable Hanger Elbow, 12"w, Globe 0396-1218	1 each
90° Outside Vertical Riser, 12"w, Globe 0390-1218	1 each
Rod Hanger, Spring Connector, type, Kindorf E-245	50 each
Hanger Rod, Continuous Thread, 3/8" dia. x 6' lg. Kindorf H-193	50 each
Steel Rod Coupling, f/w/w/ 3/8" dia. rod, Kindorf H-195	50 each
Hex Head Nuts, f/w/w/ 3/8" dia. rod, Kindorf H-114C	200 each
Washer, Square, 1 1/2" x 1 1/2", Kindorf H-119C	200 each
Channel, Steel, 1 1/2" x 17/8" x 10' lg, 12 gauge, with 2 1/4" slots on 4" centers, Kindorf G-950	6 each
Cable, coaxial, 7/8" foam dielectric Helix, jacketed, Andrew Type 50 - 1,000 ft/ reel, \$1.20 per foot, export reel. FHF5	6,000 feet
Cable, coaxial, 1 - 5/8" foam dielectric Helix, jacketed, Andrew Type 50 - 1,000 ft. per reel, export reel, Cost \$2.70 per foot	24,000 feet
Foundation Bolts and Guy Anchors for all Antennae	1 lot

25X1A

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